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LETTER OF SUBMITTAL
SAS Foundations E2/T1 Project

Run Date 23-Mar-06
Time 11:13 AM

Dated: 23-Mar-2006

SUBMITTAL No: KFM-SUB-000067

Rev: 02

To: Pedro Sanchez

Caltrans - SAS E2/T1 Foundation Project
333 Burma Road
Oakland CA 94607
Phone: 510-286-0538 Fax:

Co/Job # 364-4347

Contract # 04-0120E4

Sub/Supplier:

Sub/Supplier No:

Subject: CIDH Pile Placing Plan - Part A

Special Provis. (SP) REF: 10-1.24

Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items: ☒ Attached

☐ Via Fax

☐ Contract Plans/Specs

☐ Certs of Compl./Samples

☐ Working Drawings

☒ Drawings/Calculations

☐ Schedule

☐ WQCP and/or Addenda

☐ Change Order

☐ Progress Estimate Request

☐ Weekly Weld Reports

☐ Copy of Letter

☐ Payroll Information

☐ CWR Procedure

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01		6	Cidh Pile Placing Plan - Additional information		2	Pending	

These are transmitted as checked below:

☒ For Approval

☐ For Review/Comment

☐ Return For Correction

☐ For Your Use

☐ As Requested

☐ For Information

Remarks:

Please find attached revised submittal as requested in letter #925.

CC:

Please review / approve by : 31-Mar-2006

Submitted By: Frank Daams

(KFM Staff Member – Originator of Transmittal)

Req. Date for Completeness Review: 28-Mar-2006

Checked & Sent By:

Contract Admin/DCS Staff

KFM SUB 67 rev 02

date: March 22, 2006

T1 Support Brackets – Re-submittal of Submittal 67 Rev 1.

Reference: State Letter 925

The actual construction method of the oversized hole as outlined in the approved submittal KFM-SUB-67, remains unchanged.

The additional brackets, as per submittal KFM-Sub-67 rev 1, are being used to assure that the temporary casing remains at its original location during the drilling operation.

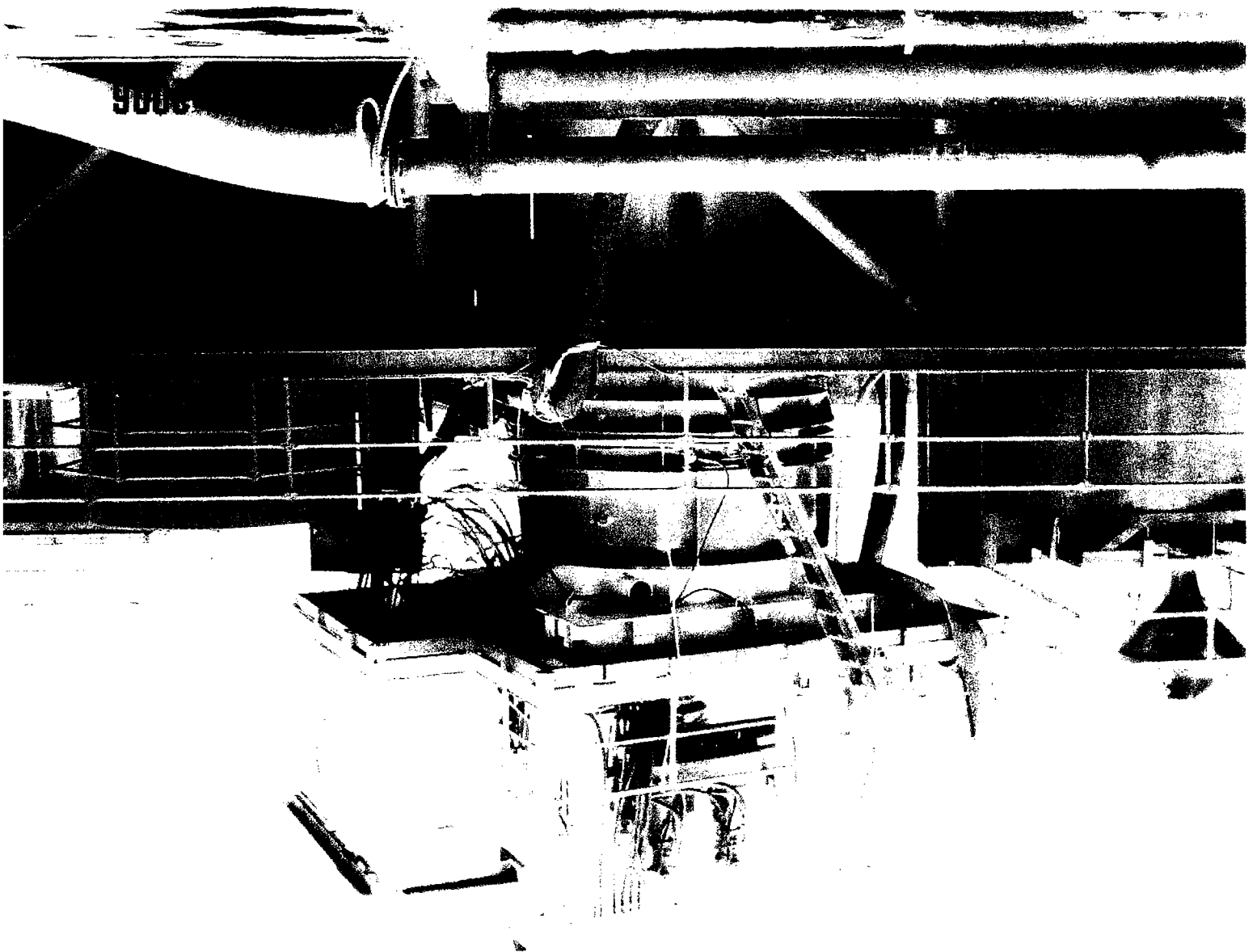
As of this moment the brackets are planned to be installed prior to the point where the drill goes passed the tip of the temporary casing. The brackets are planned to remain in place until all under reaming work, with the associated back fill concrete, cured for at least 24 hrs, is completed.

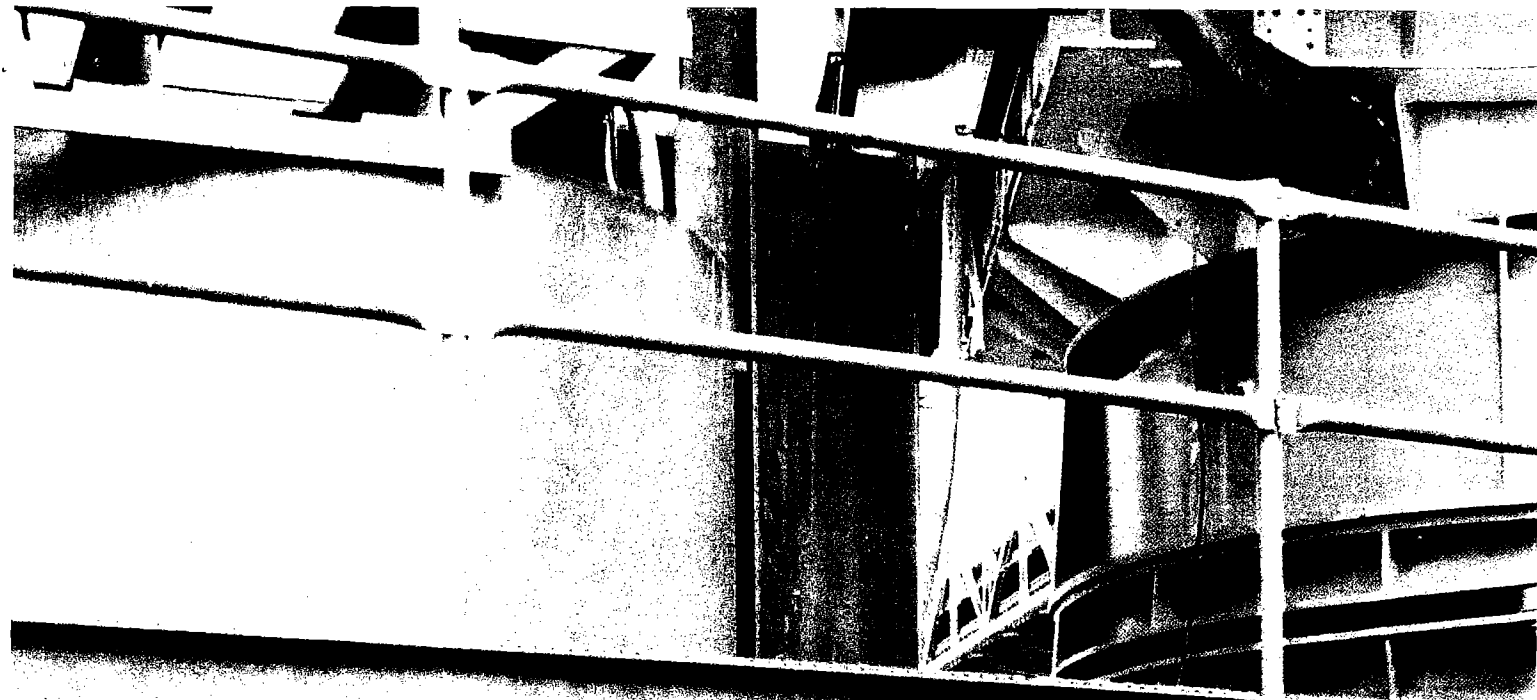
The pile being drilled on will have 2 each brackets mounted on the 2 adjacent piles to provide the possible required vertical support. The template assures the vertical alignment. In addition torque plates are installed to transfer the induced torque from the drill into the template.

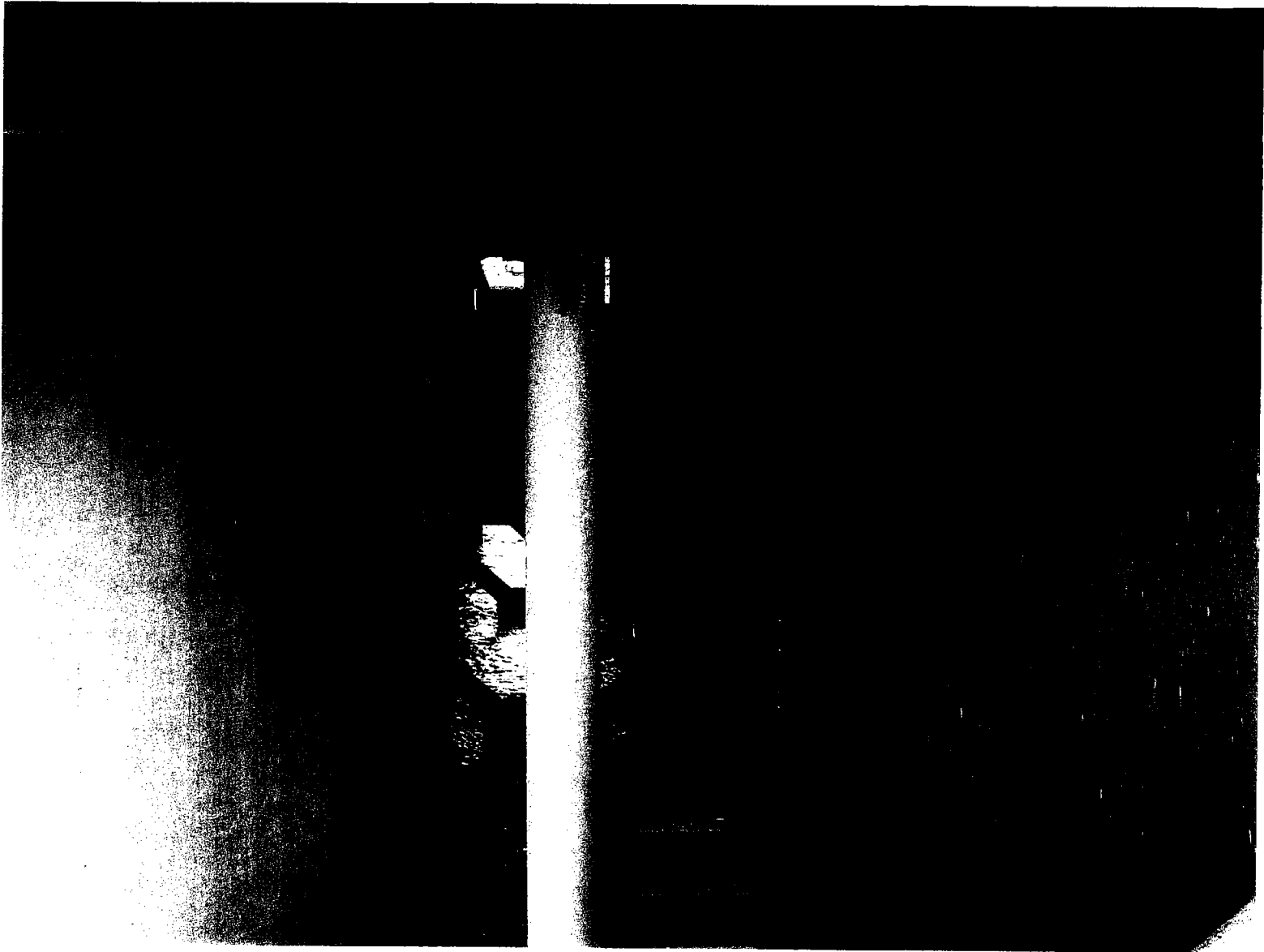
Please find attached pictures that show the above described set-up.

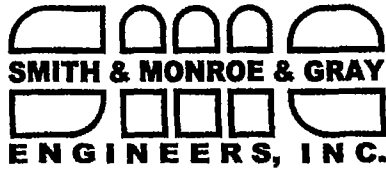
In order to install the bracket at the various corner piles, the 8" diagonal brace, at those 4 locations, needs to be removed. Please find attached SMG Engineers memo for your reference.

Please also find attached a memo from SMG Engineers responding to your comment regarding the weld size between the top flange of the W36 and the splice plate.









SMITH & MONROE & GRAY ENGINEERS, INC.
10700 S.W. BEAVERTON HWY. SUITE 210
BEAVERTON, OREGON 97005
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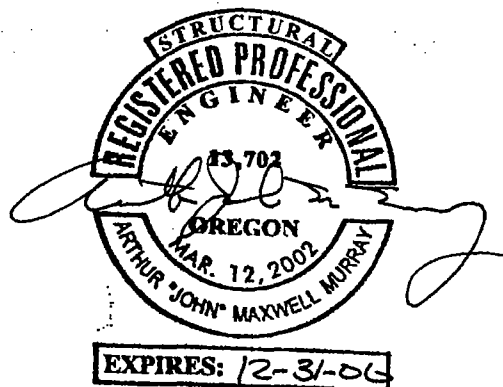
MEMO

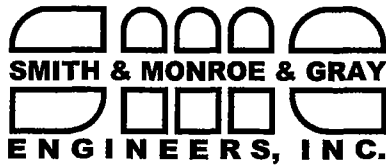
TO: Frank Daams	COMPANY: KFM-JV
FROM: John Murray	COMPANY: SMG Engineering
PROJECT: SFOBB - E2 / T1	DATE: 3-9-06
RE: Modification of T1 Template for Casing Support Brackets	

Frank,

It is permissible to remove the vertical 8" Schedule 40 Pipe Columns directly below the Lifting Eyes on the top deck. These must be replaced if, and when, the Template is to be lifted again. The stresses on these members are not significant during normal operations. Contact me if you have any questions or comments.

John Murray





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MEMO

TO: Frank Daams	COMPANY: KFM JV
FROM: John Murray	COMPANY: SMG
PROJECT: SFOBB T1 / E2	DATE: 3-22-06
RE: WELD AT DETAIL D DWG 04-079A-07	

Frank,

I have checked the value of the 1/2 " fillet weld shown in Detail D on dwg 04-079A-07 and find it to be adequate for the loads applied. As the Calc's show, the tension load on that weld is about 222 Kips. The total length of the 1/2" fillet is 35 ". That weld is good for $8 \times .928 \times 35 = 260$ Kips. Therefore, this weld alone is adequate. There is an additional weld, a 3/4" groove weld 11" long, that is good for at least 122 Kips, for a total of 388 Kips. If there are any more questions, please contact me.

John